

Crystal Clear Sparkle Fountain Cleaner

MSDS Information

SECTION 1 - OSHA HAZARD CLASSIFICATIONS

Corrosive to eyes and skin. Avoid breathing vapors or spray mists.

SECTION 2 - HAZARDOUS COMPONENTS

Chemical Name CAS Number % by Weight TLV

*The components of this product comprise of proprietary information.

SECTION 3 - FIRST AID INFORMATION

Eye Exposure: Flush immediately with copious amounts of tap water or normal saline (minimum of 15 minutes). Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluation.

Skin Exposure: Wash exposed area with plenty of water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists consult a health care professional.

Inhalation: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately.

Ingestion: DO NOT INDUCE VOMITING. Rinse with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi-comatose, comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of intentional ingestion of the product seek medical assistance immediately; take individual to nearest medical facility.

SECTION 4 - PRIMARY ROUTES OF EXPOSURE

1. Effects from Acute Exposure:

Eye Exposure: Slightly hazardous in case of eye contact (irritant).

Skin Exposure: Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation: Slightly hazardous in case of inhalation. Effects will depend upon solution strength and length of time of exposure.

Ingestion: Ingestion is not expected to be a primary route of exposure.

2. Effects from Chronic Exposure: The effects from chronic exposure to this product have not been fully evaluated.

SECTION 5 - Toxicological Information

Acute Effects:

Acute Oral (LD50) = 1951 mg/kg Male rat

Acute Oral (LD50) = 2587 mg/kg Female rat
Acute Dermal (LD50) = >2000 mg/kg Rabbit
Acute Inhalation (LC50) = 2.9 ppm (4 hours) Rat

Irritant / Sensitization Effects:

Slightly hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Slightly hazardous in case of inhalation. Effects will depend upon solution strength and length of time of exposure.

Carcinogenic Potential:

Not tested by Winston Company. Not shown as a carcinogen by OSHA, IARC, or NTP. A two year rat carcinogenicity study showed a slight increase in c-cell adenomas in female rates. Studies with male rates and male and female mice did not show any evidence of carcinogenic response. This product is not considered a carcinogen.

Target Organs Effects:

May cause damage to the following organs: upper respiratory tract, skin, eyes.

Other Health Effects:

None known.

SECTION 6 - Environmental Toxicological Information

LC50 = 0.37 mg/l 48 hours Invertebrate
LC50 = 0.26 mg/l 96 hours Fathead minnow
LC50 = 0.21 mg/l 96 hours Bluegill sunfish
LC50 = 0.047 mg/l 96 hours Rainbow trout
LC50 = >600 mg/l 96 hours Sheepshead minnow
LC50 = 13 mg/l 96 hours Mysid shrimp

SECTION 7 - Physical and Chemical Properties

Appearance: Clear, pale yellow liquid
Odor: Slight.
Density: 1.15 g/cm³
Flash Point: CLOSED CUP: >100°C (212°F). (Tagliabue.)
Melting/Freezing Point: -16°C (3.2°F)
Boiling Point: >100°C (212°F)
Solubility: Soluble in cold water. Soluble in hot water.
pH: 7
pH (100 ppm in water): 6-7
Vapor Pressure:..... Not available.
o/w Partition Coefficient: Not available.
Oxidizing/Reducing Properties: Not available.
Viscosity: Kinetic: 125 cS

SECTION 8 - Fire and Explosion Information

Flammable Limits:..... Not available.
Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.
Special Firefighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 9 - Reactivity Information

Stability: Stable under normal conditions of use and storage.

Incompatibility: Anionic polymers

Hazardous Decomposition: Carbon monoxide may be formed upon burning.

SECTION - 10 Handling Precautions

Eye-wash fountains in the work place are recommended. Rubber gloves, safety glasses or goggles and body protective clothing and shoes are required. The handling precautions for this product are based on the characteristics of the neat product unless otherwise specified.

SECTION 11 - Satisfactory Materials of Construction

Buna-N rubber
Butyl rubber
Polypropylene
Plexiglas
Teflon
PVC – rigid
Viton
EPDM rubber
PVC – flexible
Fiberglass
Neoprene
Polyethylene – low density
Tygon
Tyril 880
Gum rubber
Silicone rubber
Hypalon
Polyethylene – high density
Stainless steels 304 and 316
ABS (Plastic)
Morton test liner (108 T 44LV)
6/6 Nylon
FRP lined mild steel

SECTION 12 - Spill, Leak, and Disposal Procedures

SPILL AND LEAK RESPONSE GUIDELINES:

Important: Before responding to a spill or leak of this product, review each section of this MSDS. Follow the recommendations given in the Handling Precautions sections. Check the Fire and Explosion Data section to determine if the use of non-sparking tools is merited. Insure that spilled or leaked product does not come into contact with materials listed as incompatible. If irritating fumes are present, consider evacuation of affected areas.

Emergency Response Assistance: Emergency technical assistance is available at any time from Winston Company, Inc., by calling (800) 331-9099.

Initially minimize area affected by the spill or leak. Block any potential routes to water systems (e.g., sewers, streams, lakes, etc.). Based on the product's toxicological and chemical properties, and on the size and location of the spill or leak, assess the impact on contaminated environments (e.g. water systems, ground,

air equipment, etc.). There are no methods available to completely eliminate any toxicity this product may have on aquatic environments. Minimize adverse effects on these environments. Winston Company, Inc. can be contacted for technical assistance. Determine if federal, state, and/or local release notification is required (see Regulatory Information section of this MSDS). Recover as much of the pure product as possible into appropriate containers. Later, determine if this recovered product can be used for its intended purpose. Address clean-up of contaminated environments. Spill or leak residuals may have to be collected and disposed of. Clay, soil, or commercially available absorbents may be used to recover any material that can not readily be recovered as pure product. Flushing residual material to an industrial sewer, if present at the site of a spill or leak incident, may be acceptable if authorized approval is obtained. If product and/or spill/leak residuals are flushed to an industrial sewer, insure that they do not come into contact with incompatible materials.

DISPOSAL GUIDELINES

Note: Follow federal, state, and local regulations governing the disposal of waste materials.

Contaminated Materials: Determine if waste containing this product can be handled by available industrial effluent system or other on-site waste management unit. If off-site management is required, contact a company experienced in industrial waste management.

SECTION 13 Transportation and Shipping Information:

DOT Shipping Information:

Not Regulated.

IMO/IMDG Shipping Information:

Environmentally Hazardous Substance, Liquid, N.O.S.,
Poly[oxyethylene(dimethyliminio) ethylene(dimethyliminio)ethylene dichloride], Class 9 UN3082, P.G. III,
Marine Pollutant, (EmS No. F-A,S-F, ERG Guide 171, HazMat Code 4960131)

IATA Shipping Information:

Not Regulated

Unless otherwise stated, the shipping information provided above applies only to non-bulk containers of this product. Proper shipping name and general shipping information may vary depending on packaging and mode of shipment. All products shipped from Winston Company, Inc. have been properly packaged and labeled according to appropriate hazardous materials shipping regulations. If any alteration of packaging, product, or mode of transportation is further intended, different shipping information, including but not limited to proper shipping name, RQ designation, and labeling may apply. For further information pertaining to the shipping requirements for this product, contact Winston Company, Inc. Transportation/Shipping Department.

SECTION 14 - Regulatory Information

The following Regulations are known to apply to the use and disposal of this product. Additional Federal, State and Local regulations may also be applicable.

SARA (Superfund Amendments and Reauthorization Act)

SARA 302 Extremely Hazardous Substances List ...

No components of this product are listed.

SARA 312 Hazard Category ...

Immediate (Acute) Health Hazard

SARA 313 Toxic Chemicals List ...

No components of this product are present above the de minimums levels.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)
No components of this product are present above the de minimum levels.

RCRA (Resource Conversation and Recovery Act) Listed Hazardous Waste
No components of this product are listed.

CWA (Clean Water Act) Listed Substances
No components of this product are listed.

FDA (Food and Drug Administration)
This product is approved under the following FDA (21 CFR) Section: 176.170

National Sanitation Foundation (NSF)
This product is listed by the NSF under ANSI Standard 60 for use in potable water applications with the following maximum allowable use rates: Concentrations of 2-5 ppm can be used at the initiation of treatment for up to 21 days. Thereafter, the maximum use rate is 0.5 ppm for potable water systems.

TSCA (Toxic Substances Control Act) Applicability
All components are listed on the TSCA Inventory.

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)
This product is not a registered pesticide.

HMIS/NPCA Rating ... Health 1 Flammability 1 Reactivity 1

NFPA Ratings Health 1 Flammability 1 Reactivity 1

State Regulations

Various State Right To Know Acts ...

Non-proprietary hazardous chemicals are listed in Section 2 of this MSDS. Should you require further information on specific proprietary or inert ingredients please contact the Winston Company, Inc.

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Winston Company, Inc. has lead the biological water treatment industry for over 25 years now by offering

only the highest quality bacteria and enzyme solutions for municipal wastewater treatment, sludge treatment and pond treatment.